

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies:

American climatological and clinical association.

Transactions, 1914, v. 33. Philadelphia. 1914. xxviii, 312 p. & app. plates. 24 $\frac{1}{2}$ cm. [Appendix 1: "Atmospheric air in relation to tuberculosis," by Guy Hinsdale; originally published by the Smithsonian institution.]

Carpenter, Ford A.

Two lectures on climatic conditions [in California]. 1. Weather conditions one hundred thousand feet above the earth. 2. The dollar and cents value of California meteorology. (*In University of California chronicle*, Berkeley, Jan., 1915, vol. 17, no. 1, p. 68-90.)

Egypt. Survey department.

Meteorological report for the year 1912. Cairo. 1914. xxii, 237, xii p. 32 cm. [Climatological normals for Abbassia (temperature, pressure, relative humidity, and vapour pressure), by Myer M. Orenstein, p. xvii-xxii.]

Geneva. Observatoire.

Observations météorologiques faites aux fortifications de Saint-Maurice pendant l'année 1913. Genève. 1914. 56 p. 22 $\frac{1}{2}$ cm. (Extrait des Archives des sciences physiques et naturelles, juin, août et octobre 1914.)

Résumé météorologique de l'année 1913 pour Genève et le Grand Saint-Bernard. Genève. 1914. 104 p. 22 cm. (Tiré des Archives des sciences de la Bibliothèque universelle, avril et mai 1914.)

Great Britain. Meteorological office.

Monthly normals of temperature, rainfall, and sunshine. A revised edition of the quinquennial appendix to the Weekly weather report, giving averages of temperature and rainfall for the periods of 35 years and 40 years and of sunshine for the period of 30 years ended 1910, with maps. London. 1915. 241-264 p. 16 p. of maps. 31 $\frac{1}{2}$ cm. (British meteorological and magnetic year book, 1913, pt. 1, app. iv.)

Hellmann, G[ustav].

Regenkarten der Provinzen Hessen-Nassau und Rheinland, sowie von Hohenzollern und Oberhessen. 2. verm. Aufl. Berlin. 1914. 43 p. 2 pl. 27 cm. (Veröffentlichungen des Königlich preussischen meteorologischen Instituts, Nr. 230.)

Hildebrandsson, H[ugo] Hildebrand.

Quelques recherches sur les centres d'action de l'atmosphère. V (fin). Uppsala & Stockholm. 1914. 16 p. 13 pl. 31 $\frac{1}{2}$ cm. (Kungl. Svenska vetenskapsakademiens handlingar, band 51, no. 8.)

Hinsdale, Guy.

The climate of California. From the course on climatology in the Medico-chirurgical college, Philadelphia, 1915. 8 p. 23 $\frac{1}{2}$ cm. (Reprinted from the Bulletin of the Medico-chirurgical college of Philadelphia, February, 1915.)

Huntington, Ellsworth.

The climatic factor as illustrated in arid America. With contributions by Charles Schuchert, Andrew E. Douglass, and Charles J. Kullmer. Washington. 1914. vi, 341 p. plates. maps. 30 cm. (Carnegie institution of Washington. Publication no. 192.) [See page 136, above.]

International council for the study of the sea.

Bulletin hydrographique pour l'année juillet 1912-juin 1913. [German and English text.] Copenhague. [1914.] v. p. plates. 32 $\frac{1}{2}$ cm.

Martin, Edward A.

Dew-ponds; history, observation and experiment. London. n. d. 208 p. plates. 19 $\frac{1}{2}$ cm.

Mysore. Meteorological department.

Meteorology in Mysore for 1913, being the results of observations at Bangalore, Mysore, Hassan, and Chitaldrug. 21st annual report. Bangalore. 1915. xi, 56 p. 2 pl. 31 $\frac{1}{2}$ cm.

Odell, L. M.

Weather chart exercises (British Isles and west of Europe). London. n. d. 32 p. 24 $\frac{1}{2}$ cm.

Prussia. K. Meteorologisches Institut.

Ergebnisse der Beobachtungen an den Stationen II. und III. Ordnung im Jahre 1912, von G. Lüdeling. Berlin. 1914. xvi, 182 p. map. 34 cm. (Veröffentlichungen, Nr. 281.)

Ergebnisse der Gewitter-Beobachtungen in den Jahren 1911 und 1912, von Th. Arendt. Berlin. 1915. xlvi, 40 p. 34 cm. (Veröffentlichungen, Nr. 282.)

Ergebnisse der meteorologischen Beobachtungen in Potsdam im Jahre 1913, von R. Süring. Berlin. 1914. xxxiv, 98 p. 34 cm. (Veröffentlichungen, Nr. 279.)

Richard, Jules.

Instruments de précision enregistreurs. Météorologie. Paris. 1914. v. p. 27 cm.

Smith, J. Warren, & Patton, C. A.

Ohio weather for 1913. [Wooster, O. 1914.] 331-406 p. 23 cm. (Ohio agricultural experiment station. Bulletin 277.) [Contains, in addition to the usual tables, "a series of diagrammatic maps, showing at a glance the comparative weather conditions for the different sections of the State."]

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

American climatological and clinical association. *Transactions*. Philadelphia. v. 30. 1914.

Stupart, R[obert] F[rederic]. The climate of south-western Alberta. p. 9-15.

Nichols, Estes. Housing and its relation to climate and health. p. 16-26.

American geographical society. *Bulletin*. New York. v. 47. April, 1915.

Van Cleef, Eugene. The sugar beet in Germany, with special attention to its relation to climate. p. 241-258.

Astronomical society of the Pacific. *Publications*. San Francisco. v. 27. April, 1915.

Campbell, W[illiam] W[allace]. On atmospheric conditions required for astronomical observation. p. 65-70.

Great Britain. Meteorological office. *Geophysical memoirs*. London. v. 2, no. 1. 1914.

Billet, H. The tornado of South Wales and west of England, Monday, October 27, 1913. p. 5-15.

Knowledge. London. v. 38. April, 1915.

Swaine, William. Dust. p. 103-106.

Nautical magazine. Glasgow. v. 93. April, 1915.

Horner, D. W. Visibility and audibility in relation to weather. p. 353-356.

Royal astronomical society of Canada. *Journal*. Toronto. v. 9. March, 1915.

Patterson, J. A meteorological trip to the Arctic circle. p. 101-120. [Includes a sketch of the climate of the Mackenzie river system.]

Royal society. *Philosophical transactions*. London. ser. A. v. 215. 1915.

Chree, C[harles]. Atmospheric electricity potential gradient at Kew observatory, 1898 to 1912. p. 133-159.

Scientific American. New York. v. 112. April 17, 1915.

Kiehl, W. J. L. Zones of silence. p. 360.

- Scientific American supplement. New York. v. 79. April 3, 1915.*
- Booth, William M.** Effect of climate on location of manufacturing plants. An important factor that often determines economic success. p. 219. [Abstract from a paper read before the American institute of chemical engineers, and published in the Transactions of the Society.]
- Seismological society of America. Bulletin. Stanford University. v. 5. March, 1915.*
- Beal, Carl H.** The Avezzano earthquake of January 13, 1915. p. 1-4.
- Davis, E. F.** Central California earthquake of November 8, 1914. p. 5-13.
- Beal, Carl H.** The earthquake at Los Alamos, Santa Barbara County, California, January 11, 1915. p. 14-25.
- Branner, John Casper.** The untrustworthiness of personal impressions of direction of vibrations in earthquakes. p. 26-29.
- Spalding, William A.** Seasonal periodicity in earthquakes. p. 30-38.
- Wood, Harry O.** The seismic prelude to the 1914 eruption of Mauna Loa. p. 39-51.
- Symons's meteorological magazine. London. v. 50. March, 1915.*
- Tree growth as a measurement of rainfall. p. 21-23.
- Dines, W[illiam] H[enry].** Forecasting weather by means of correlation. p. 30-31.
- Académie des sciences. Comptes rendus. Paris. Tome 160. 15 mars 1915.*
- Montessus de Ballore, F[ernand] de.** Influence sismogénique des failles parallèles étagées de la rainure érythréenne et de celle de la vallée du Rhin. p. 346-347.
- Sousa, Pereira de.** Sur les macrosismes de 1911, 1912, 1913, 1914, dans le nord du Portugal. p. 348-350.
- Astronomie. Paris. 28 année. Decembre 1914.*
- Flammarion, Camille, & Mahieu, A.** Le climat de Cherbourg. p. 511-514.
- Annalen der Hydrographie und maritimen Meteorologie. Berlin. 43. Jahrgang. Heft 3. 1915.*
- K, W.** Weitere Vereinfachung in der Auswertung der Pilotballonaufstiege. p. 97-99.
- Annalen der Hydrographie und maritimen Meteorologie—Continued.*
- Ludewig, Paul.** Die Bedeutung der vertikalen Luftbewegungen für die Luftfahrt. p. 99-111.
- Schmidt, Wilhelm.** Strahlung und Verdunstung an freien Wasserflächen; ein Beitrag zum Wärmeaushalt des Weltmeers und zum Wasserhaushalt der Erde. p. 111-124.
- Thraen, A[ugust].** Monatliche und jährliche Schwankungen der Temperatur, des Luftdrucks und des Niederschlags in Hamburg während der Normalperiode 1876/1910. p. 124-129.
- Meteorologische Zeitschrift. Braunschweig. Band 32. März 1915.*
- Barkow, E[rich].** Über die thermische Struktur des Windes. p. 97-109.
- Fjøyn, N. J.** Die norwegische Hütte. p. 110-114.
- Maurer, J[ulius].** Die "atmosphärische" Sonnenkorona und ihre jährliche Veränderung. p. 114-118.
- Hann, J[ulius] v.** Zum äquatorialen Gebirgsklima. Höhenkurstort Tosari (Ostjava). p. 128-131.
- Hann, J[ulius] v.** Täglicher Gang des Regenfalls und Regenmaxima am Kamerungebirge. p. 131-134.
- Hann, J[ulius] v.** Temperaturabnahme mit der Höhe in den Bergen Javas. p. 135-137.
- Hann, J[ulius] v.** Stundenmittel der Bewölkung bei Nacht nach den Beobachtungen der Sternwarte in Bergedorf bei Hamburg 1910 bis 1914 einschließlich. p. 137-138.
- Monte Rosa. Laboratori scientifici "A. Mosso." Atti. Torino. v. 4. 1914.*
- Dember, H[arry].** Ueber die Bestimmung der Loschmidtschen Zahl durch Messung der Absorption des Sonnenlichtes in der Atmosphäre. p. 35-42.
- Laquer, Fritz.** Höhenklima und Blutneubildung. p. 69-104.
- Guillemaud, H., & Regnier, G.** Observations sur l'action physiologique du climat de haute montagne. p. 336-338.
- Rivista meteorico-agraria. Roma, anno 36. 2a decade. Gennaio 1915.*
- Monti, V[irgilio].** Di un particolare relativo all' energia dei lampi. p. 63-65.
- Società meteorologica italiana. Bolletina bimensuale. Torino. ser. 3. v. 33. Agosto-settembre 1914.*
- Alippi, T[ito].** Di un'anormalità dei venti sull' alto versante Adriatico rispetto alle depressioni invernali. p. 35-37.